

CCD-1064Sk Cell Lysate: sc-2263

BACKGROUND

Santa Cruz Biotechnology offers a variety of whole cell lysates for use in combination with our antibodies as Western Blotting controls. CCD-1064Sk Cell Lysate is derived from the CCD-1064Sk cell line using a procedure that ensures protein integrity and lot-to-lot reproducibility. All lysates are tested by Western Blotting to assure that each one contains the expected concentration and assortment of proteins. Numerous antibodies directed against a wide array of mammalian proteins are used to test each lysate.

The CCD-1064Sk cell line was established from skin taken from normal foreskin. The cells are capable of approximately 54 population doublings before the onset of senescence.

REFERENCES

1. Ranefall, P., Wester, K., Andersson, A.C., Busch, C. and Bengtsson, E. 1998. Automatic quantification of immunohistochemically stained cell nuclei based on standard reference cells. *Anal. Cell Pathol.* 17: 111-123.
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3. Pariente, N., Mao, S.H., Morizono, K. and Chen, I.S. 2008. Efficient targeted transduction of primary human endothelial cells with dual-targeted lentiviral vectors. *J. Gene Med.* 10: 242-248.
4. Lozupone, F., Perdicchio, M., Brambilla, D., Borghi, M., Meschini, S., Barca, S., Marino, M.L., Logozzi, M., Federici, C., Iessi, E., de Milito, A. and Fais, S. 2009. The human homologue of *Dictyostelium discoideum* phg1A is expressed by human metastatic melanoma cells. *EMBO Rep.* 10: 1348-1354.
5. Prunotto, M., Bosco, M., Daniele, L., Macri', L., Bonello, L., Schirosi, L., Rossi, G., Filosso, P., Mussa, B. and Sapino, A. 2009. Imatinib inhibits *in vitro* proliferation of cells derived from a pleural solitary fibrous tumor expressing platelet-derived growth factor receptor- β . *Lung Cancer* 64: 244-246.
6. Zhang, Y., Schulte, W., Pink, D., Phipps, K., Zijlstra, A., Lewis, J.D. and Waisman, D.M. 2010. Sensitivity of cancer cells to truncated diphtheria toxin. *PLoS ONE* 5: e10498.

SOURCE

CCD-1064Sk Cell Lysate is derived from the CCD-1064Sk cell line.

Organism: *Homo sapiens* (human)
Tissue: Foreskin
Disease: Normal
Cell Type: Fibroblast
Growth Properties: Adherent

PRODUCT

Each vial contains 500 μ g protein in 200 μ l of an SDS-PAGE Western Blotting buffer, which consists of 100 μ l RIPA Lysis Buffer and 100 μ l Electrophoresis Buffer, 2X.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

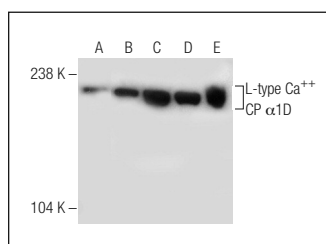
APPLICATIONS

CCD-1064Sk Cell Lysate is provided as a Western Blotting positive control. Recommended use is 50 μ g (20 μ l) per lane. Sample vial should be boiled once prior to use.

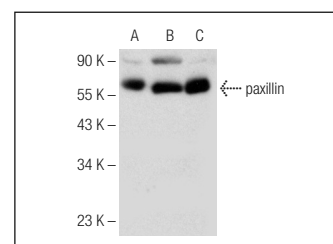
PREPARATION METHOD

Cells are cultured with appropriate media conditions and allowed to reach a confluency of 75%. Cells are lysed using the RIPA Lysis Buffer System (sc-24948). The BCA Protein Assay Kit (sc-202389) is used to determine the total protein concentration. The lysate is adjusted to contain 500 μ g of total cellular protein in 100 μ l before adding an equal volume of Electrophoresis Sample Buffer, 2X (sc-24945). Final concentration of product is 500 μ g total protein in a final volume of 200 μ l.

DATA



L-type Ca^{++} CP $\alpha 1\text{F}$ (H-160): sc-25688. Western blot analysis of L-type Ca^{++} CP $\alpha 1\text{D}$ expression in non-transfected 293T: sc-117752 (A), mouse L-type Ca^{++} CP $\alpha 1\text{D}$ transfected 293T: sc-121266 (B), Y79 (C), Hs 732.Sk/Mu (D) and CCD-1064Sk (E) whole cell lysates.



paxillin (C-1): sc-373880. Western blot analysis of paxillin expression in HISM (A), ECV304 (B) and CCD-1064Sk (C) whole cell lysates.

SELECT PRODUCT CITATIONS

1. Hamai A and Richon C 2006. Imatinib enhances human melanoma cell susceptibility to TRAIL-induced cell death: relationship to Bcl-2 family and caspase activation. *Oncogene* 25: 7618-7634.
2. Rocconi, R.P., Matthews, K.S., Kimball, K.J., Conner, M.G., Baker, A.C. and Barnes, M.N. 2008. Expression of C-kit and platelet-derived growth factor receptors in ovarian granulosa cell tumors. *Reprod Sci.* 15: 673-677.

STORAGE

Store at -20°C ; stable for one year from the date of shipment. Non-hazardous. No MSDS required. Minimize repeated freezing and thawing.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.